

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (previously presented): Road test simulator comprising:  
  
four rollers, each of which has an irregular surface cover, and  
  
four asynchronous motors, each of which drives a respective one of the rollers;  
  
wherein the rollers each comprise a plurality of coating rows extending in axial direction along respective outer circumferences of the rollers.
2. (original): Road test simulator as claimed in Claim 1, wherein the rollers have respective widths greater than twice a tire width of the tires of a vehicle tested by the road test simulator.
3. (original): Road test simulator as claimed in Claim 1, wherein the rollers have respective widths within a range of 90 cm to 110 cm.
4. (canceled).
5. (previously presented): Road test simulator as claimed in Claim 1, wherein the coating rows comprise pavement rows made of stone or metal.
6. (original): Road test simulator as claimed in Claim 5, wherein each pavement row comprises a plurality of paving stones arranged side by side.
7. (original): Road test simulator as claimed in Claim 6, wherein the paving stones arranged side by side differ in relative height.

AMENDMENT UNDER 37 C.F.R. §1.111  
APPL. NO. 10/618,768

8. (original): Road test simulator as claimed in Claim 5, wherein paving stones belonging to adjacent pavement rows differ in relative height.
9. (original): Road test simulator as claimed in Claim 6, wherein the pavement rows simulate a cobble stone road surface.
10. (original): Road test simulator as claimed in Claim 1, further comprising inverters respectively controlling the asynchronous motors.
11. (original): Road test simulator as claimed in Claim 1, further comprising control units, each of which controls speed and angular synchronism of a respective one of the rollers.
12. (original): Road test simulator as claimed in Claim 11, wherein each of the rollers comprises a reference position sensor.
13. (original): Road test simulator as claimed in Claim 11, wherein the control units are configured to control the asynchronous motors to operate with a selectable angle offset between the rollers.
14. (original): Road test simulator as claimed in Claim 11, wherein the control units provide one of the rollers a master function and remaining ones of the rollers a slave function.
15. (original): Road test simulator as claimed in Claim 11, wherein the control units provide two operating modes, wherein:
  - in the first operating mode, the rollers are driven by the asynchronous motors and the motor vehicle is operated in neutral, and
  - in the second operating mode, the rollers are driven by the motor vehicle.
16. (original): Road test simulator as claimed in Claim 14, wherein the control unit providing the master function produces a non-zero torque to simulate uphill or downhill driving.

AMENDMENT UNDER 37 C.F.R. §1.111  
APPL. NO. 10/618,768

17. (canceled).

18. (previously presented): Road test simulator comprising:  
four rollers, each of which has an irregular surface cover;  
four asynchronous motors, each of which drives a respective one of the rollers; and  
control units, each of which controls speed and angular synchronism of a respective one  
of the rollers,  
wherein each of the rollers comprises a reference position sensor.

19. (previously presented): Road test simulator comprising:  
four rollers, each of which has an irregular surface cover;  
four asynchronous motors, each of which drives a respective one of the rollers; and  
control units, each of which controls speed and angular synchronism of a respective one  
of the rollers,  
wherein the control units are configured to control the asynchronous motors to operate  
with a selectable angle offset between the rollers.

20. (previously presented): Road test simulator comprising:  
four rollers, each of which has an irregular surface cover;  
four asynchronous motors, each of which drives a respective one of the rollers; and  
control units, each of which controls speed and angular synchronism of a respective one  
of the rollers,

AMENDMENT UNDER 37 C.F.R. §1.111  
APPL. NO. 10/618,768

wherein the control units provide one of the rollers a master function and remaining ones of the rollers a slave function.

21. (previously presented): Road test simulator as claimed in Claim 20, wherein the control unit providing the master function produces a non-zero torque to simulate uphill or downhill driving.

22. (previously presented): Road test simulator comprising:  
four rollers, each of which has an irregular surface cover;  
four asynchronous motors, each of which drives a respective one of the rollers; and  
control units, each of which controls speed and angular synchronism of a respective one of the rollers,

wherein the control units provide two operating modes, wherein:

in the first operating mode, the rollers are driven by the asynchronous motors and the motor vehicle is operated in neutral, and

in the second operating mode, the rollers are driven by the motor vehicle.